

WHAT IS CLAIMED IS:

1. An image inputting and outputting apparatus, comprising:

an image inputting device which reads image data of at least one image recorded in a recording medium;

a determining device which determines a number of pixels of the image data read by the image inputting device;

a judging device which judges quality of an image that will be obtained when the image data read by the image inputting device is outputted to an outputting apparatus that performs at least one of printing and displaying of the at least one image, according to the number of the pixels determined by the determining device and a number of pixels required by the outputting apparatus;

a displaying device which displays the at least one image according to the image data read by the image inputting device and displays a judging result obtained by the judging device;

an instructing device which issues an instruction to an image outputting device to output the image data to the outputting apparatus; and

the image outputting device which outputs the image data to the outputting apparatus according to the instruction issued by the instructing device.

2. The image inputting and outputting apparatus as defined in claim 1, further comprising:

an image output size selecting device which selects an image output size out of image output sizes for the at least one of the printing and the displaying,

wherein the judging device changes the number of the pixels required by the outputting apparatus according to the image output size selected by the image output size selecting device to judge the quality of the image.

3. The image inputting and outputting apparatus as defined in claim 1, wherein the displaying device displays a plurality of images as a list and displays the judging result obtained by the judging device for each of the plurality of the images.

4. The image inputting and outputting apparatus as defined in claim 3, wherein the instructing device comprises an image selecting device which selects at least one image to be outputted to the outputting apparatus from the plurality of images displayed on the displaying device.

5. The image inputting and outputting apparatus as defined in claim 1, wherein the image data includes at least main image data of the main image data and list image data.

6. The image inputting and outputting apparatus as defined in claim 5, wherein:

the image inputting device inputs a main image and a list image of the main image;

the displaying device displays the inputted list image;

the determining device determines the number of pixels of the main image; and

the judging device judges the quality of the image that will be obtained when the image data read by the image inputting device is outputted to the outputting apparatus that performs the at least one of the printing and the displaying of the image, according to the number of the pixels of the main image determined by the determining device and the number of the pixels required by the outputting apparatus.

7. The image inputting and outputting apparatus as defined in claim 1, wherein the displaying device displays information on the quality of the image by at least one of colors, words and marks according to the judging result.

8. The image inputting and outputting apparatus as defined in claim 1, wherein the displaying device indicates the quality of the image by at least two colors of red, yellow and blue according to the judging result.

9. The image inputting and outputting apparatus as defined in claim 1, wherein the displaying device displays, around the judging result, a frame in a color according to the quality of the image.

10. The image inputting and outputting apparatus as defined in claim 1, wherein the displaying device displays, according to the judging result, at least one of that the number of the pixels of the image data is too large, that the number of the pixels of the image data is too small, and that it is impossible to input the image data.

11. The image inputting and outputting apparatus as defined in claim 1, wherein the outputting apparatus is one of a printer, a display, and a device on a network.

12. An image inputting and outputting apparatus, comprising:  
an image inputting device which reads image data of at least one image and information on the image data recorded in a recording medium;  
a determining device which determines a number of pixels of the image data read by the image inputting device;  
a judging device which judges quality of an image that will be obtained

when the image data read by the image inputting device is outputted to an outputting apparatus that performs at least one of printing and displaying of the at least one image, according to the number of the pixels determined by the determining device and a number of pixels required by the outputting apparatus;

a displaying device which displays the information on the image data read by the image inputting device and displays a judging result obtained by the judging device;

an instructing device which issues an instruction to an image outputting device to output the image data to the outputting apparatus; and

the image outputting device which outputs the image data to the outputting apparatus according to the instruction issued by the instructing device.

13. The image inputting and outputting apparatus as defined in claim 12, further comprising:

an image output size selecting device which selects an image output size out of image output sizes for the at least one of the printing and the displaying,

wherein the judging device changes the number of the pixels required by the outputting apparatus according to the image output size selected by the image output size selecting device to judge the quality of the image.

14. The image inputting and outputting apparatus as defined in claim 12, wherein the displaying device displays information on a plurality of images as a list and displays the judging result obtained by the judging device for each of the plurality of the images.

15. The image inputting and outputting apparatus as defined in claim 14, wherein the instructing device comprises an image selecting device which selects at least one image to be outputted to the outputting apparatus from the plurality

of images.

16. The image inputting and outputting apparatus as defined in claim 12, wherein the displaying device displays information on the quality of the image by at least one of colors, words and marks according to the judging result.

17. The image inputting and outputting apparatus as defined in claim 12, wherein the displaying device indicates the quality of the image by at least two colors of red, yellow and blue according to the judging result.

18. The image inputting and outputting apparatus as defined in claim 12, wherein the displaying device displays, around the judging result, a frame in a color according to the quality of the image.

19. The image inputting and outputting apparatus as defined in claim 12, wherein the displaying device displays, according to the judging result, at least one of that the number of the pixels of the image data is too large, that the number of the pixels of the image data is too small, and that it is impossible to input the image data.

20. The image inputting and outputting apparatus as defined in claim 12, wherein the outputting apparatus is one of a printer, a display, and a device on a network.